

SGG PLANILUX®

Clear float glass

Technical Sheet
United Kingdom

SGG PLANILUX®

Clear float glass

Description

SGG PLANILUX is a high quality, clear annealed glass from SAINT-GOBAIN GLASS. It is manufactured by the float process, which produces a glass with a perfectly flat, parallel surface.

Applications

SGG PLANILUX is available in an extensive range of thicknesses and is suitable for a wide variety of applications:

- External and internal glazing in buildings;
 - Colourless, transparent furniture and glazing for all uses, ranging from indoor furniture to fully glazed structural facades.
- SGG PLANILUX is a multi-purpose clear glass.

Range

SGG PLANILUX is available in a range of thicknesses, from 2 mm to 19 mm.

SGG PLANILUX : manufacturing sizes

Thickness (mm)	Thickness tolerance (mm)	Standard dimensions (mm)	Average weight (kg/m ²)
2	± 0,2	3210 x 2500	5
3	± 0,2	6000 x 3210	7,5
4	± 0,2	6000 x 3210	10
5	± 0,2	6000 x 3210	12,5
6	± 0,2	6000 x 3210	15
8	± 0,3	6000 x 3210	20
10	± 0,3	6000 x 3210	25
12	± 0,3	6000 x 3210	30
15	± 0,5	6000 x 3210	37,5
19	± 1	6000 x 3210	47,5

Performances

- The spectrophotometric performance of SGG PLANILUX is given for:
 - Single glazing, for all thicknesses;
 - In SGG CLIMALIT double-glazed units and in SGG CLIMAPLUS enhanced thermal insulation double-glazed units, combined with an SGG PLANITHERM TOTAL low emissivity glass, for the most commonly used compositions.
- Acoustic performance
- The mechanical performance conforms to standard BS EN 572-2.

SGG PLANILUX												
Single-glazing												
SGG PLANILUX												
Thickness	mm	2	3	4	5		6	8	10	12	15	19
Weight	kg/m ²	5	7,5	10	12,5		15	20	25	30	37,5	47,5
Light factor												
LT	%	91	90	90	89		89	88	88	87	86	83
LRe	%	8	8	8	8		8	8	8	8	8	8
LRI	%	8	8	8	8		8	8	8	8	8	8
UV	%	69	64	59	56		53	48	50	47	44	36
Energy factor												
T	%	87	85	83	81		79	75	74	72	69	62
Re	%	8	8	7	7		7	7	7	7	7	6
Ri	%	8	8	8	7		7	7	7	7	7	6
A	%	5	8	10	12		14	18	17	21	24	32
Solar factor g		0,88	0,87	0,85	0,84		0,82	0,80	0,80	0,79	0,75	0,70
Shading Coefficient		1,01	1,00	0,98	0,96		0,95	0,92	0,92	0,89	0,87	0,81
U-value W/(m ² .K)		5,9	5,8	5,8	5,8		5,7	5,7	5,6	5,5	5,5	5,3
Sound reduction indices												
Rw	dB	ND (1)	29	30	30		31	32	33	34	36	37
C	dB	ND (1)	-2	-1	-1		-1	-1	-1	0	-1	-1
Cu	dB	ND (1)	-5	-3	-2		-2	-2	-2	-2	-3	-3
Ra	dB	ND (1)	27	29	29		30	31	32	34	35	36
RA,u	dB	ND (1)	24	27	28		29	30	31	32	33	34

(1) ND: non disponible.

Processed Product Variations

SGG PLANILUX is the substrate glass used for the manufacture of most other processed glass products: coated glass, mirrors, double-glazed units, laminated, toughened, screen-printed, decorated, acid-etched, sandblasted, lacquered, edgeworked etc.

Processed Product Variations .../...



SGG PLANILUX

Installation Guidelines

SGG PLANILUX must be installed in accordance with the recommendations given in section 3.2, "Technical information, Guide to Installation".

Standards and Regulations

SGG PLANILUX clear float glass conforms to standard BS EN 572-2 and carries the relevant CE mark as required.